

Fig. 1

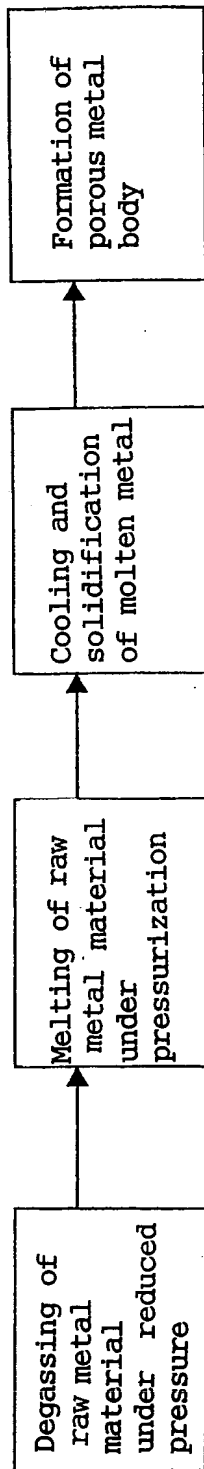
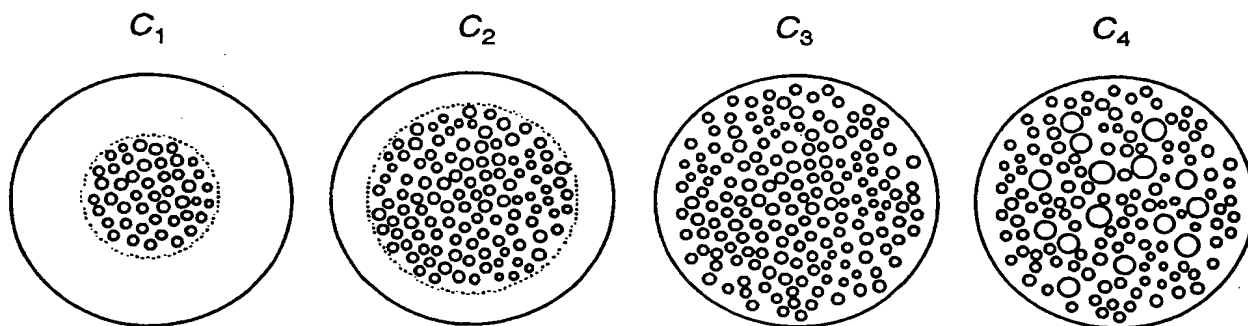
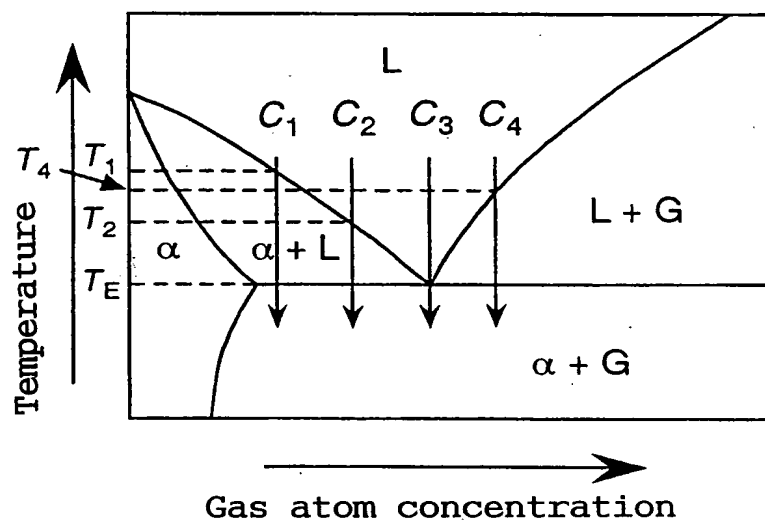
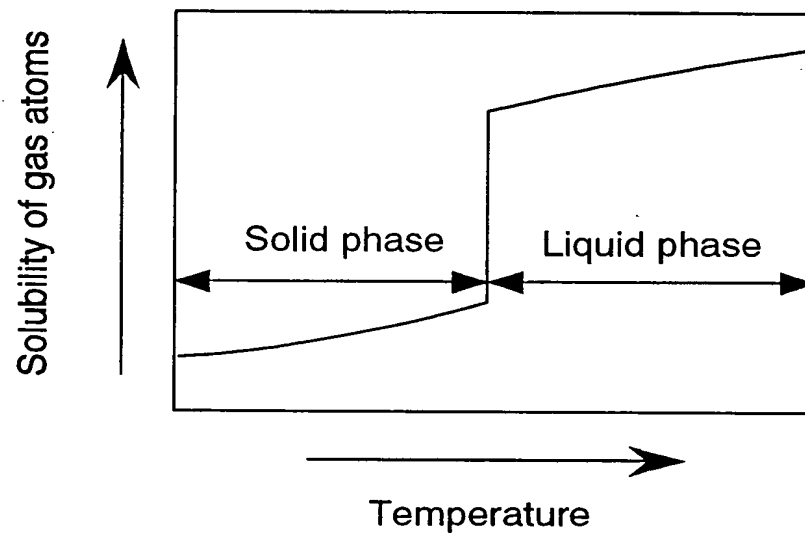


Fig. 2



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Fig. 3



## Nitrogen solubility in iron

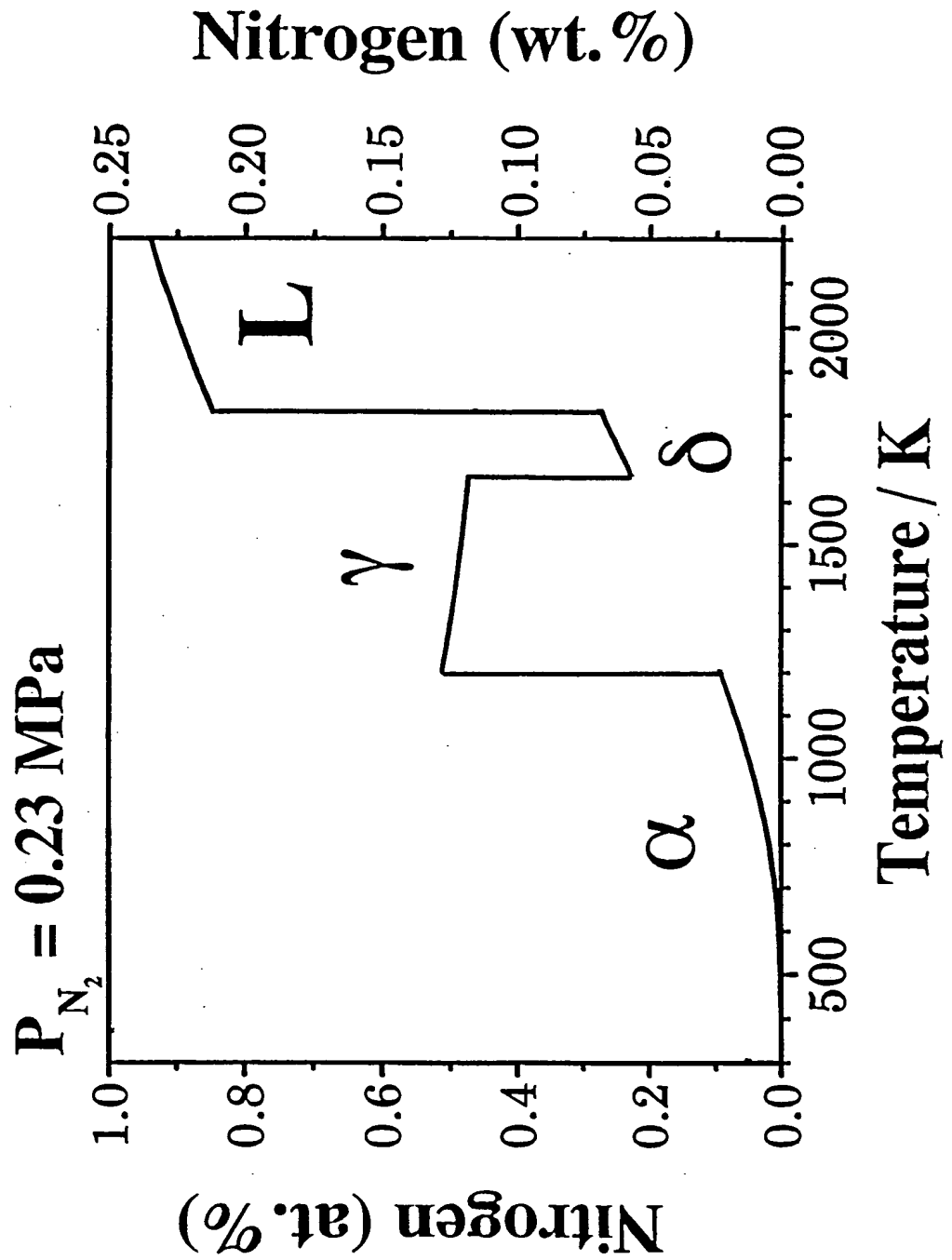
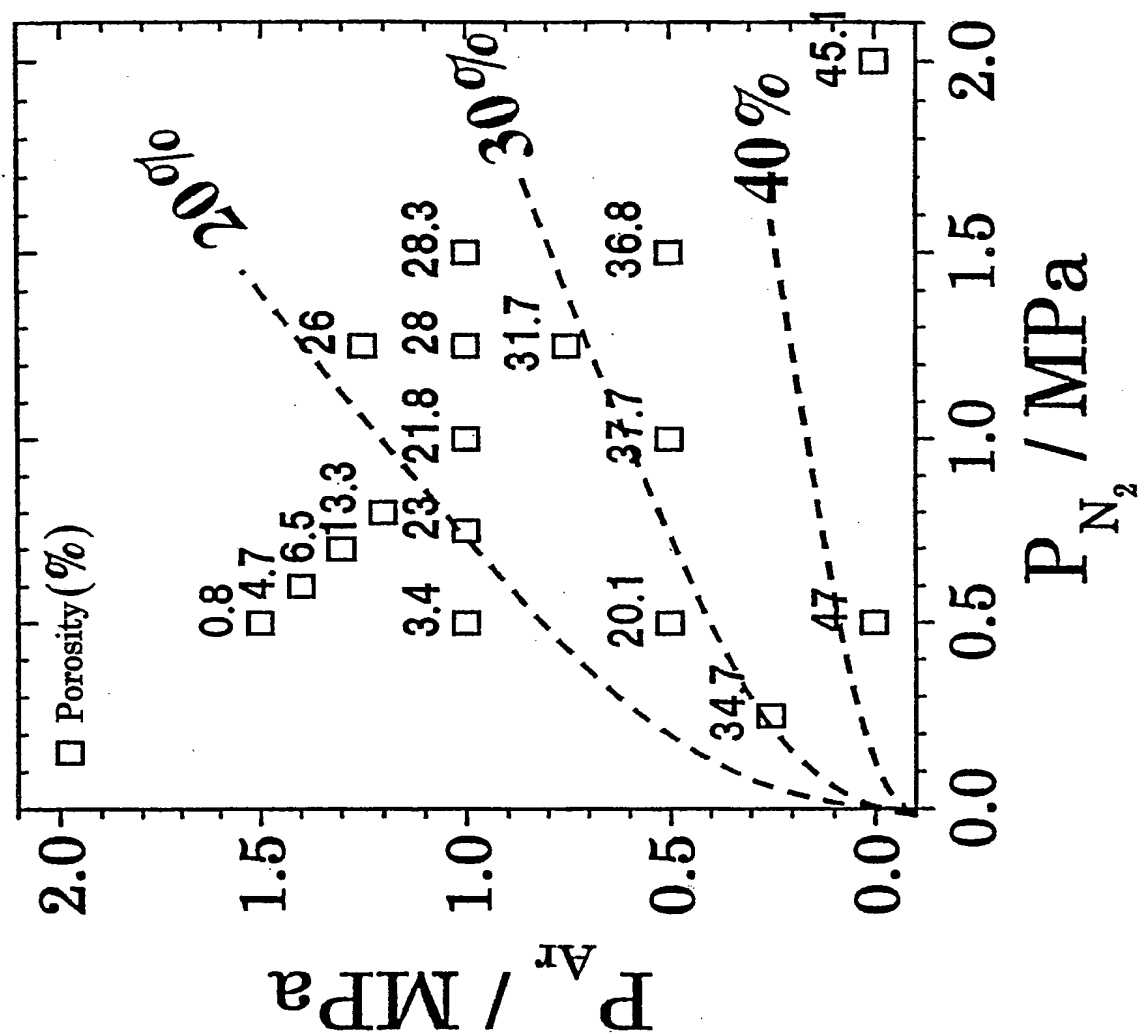


Fig. 4

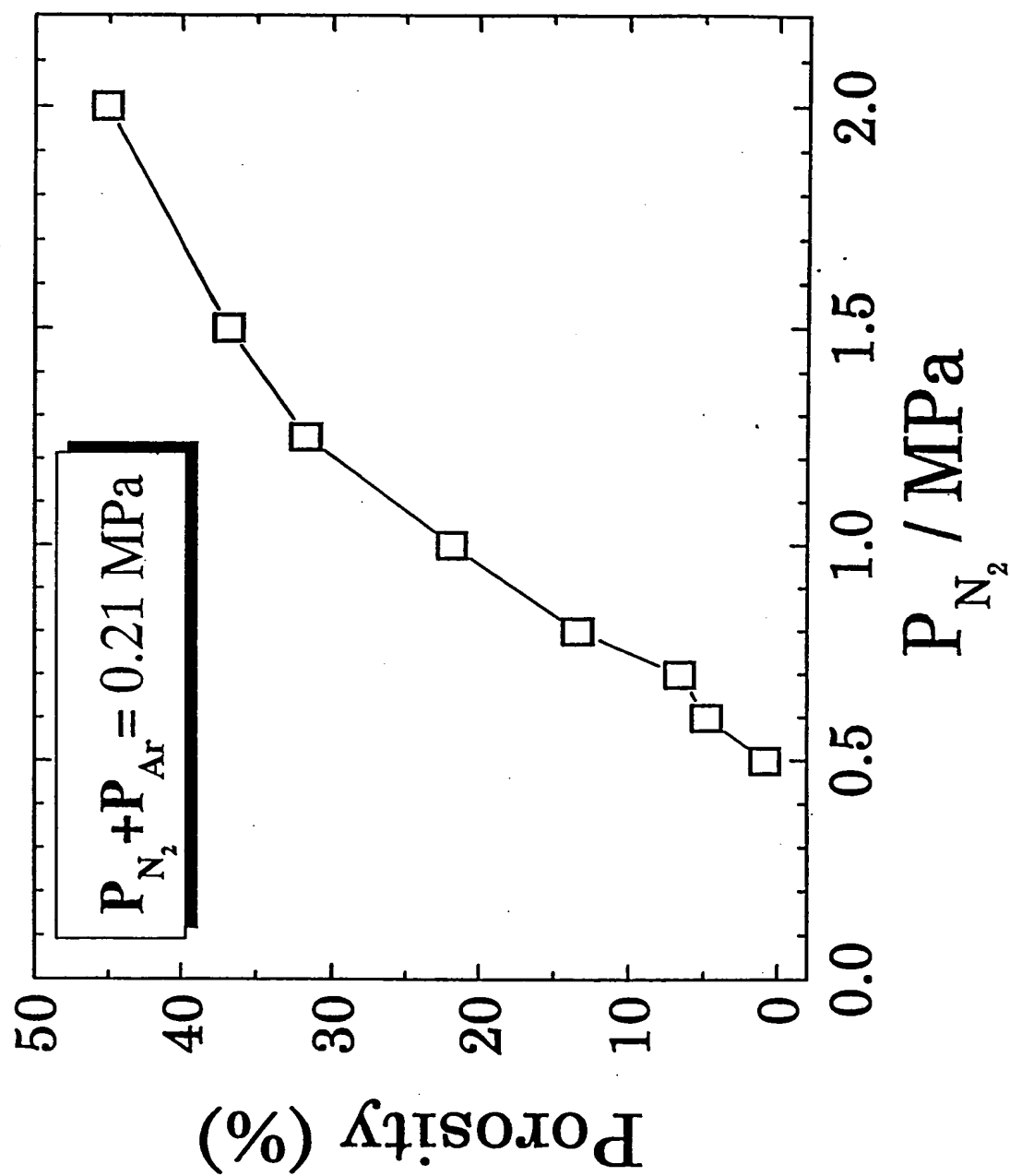
Fig. 5

# Experimental results



# Nitrogen gas pressure vs. porosity

Fig. 6



# Nitrogen analysis results

Fig. 7

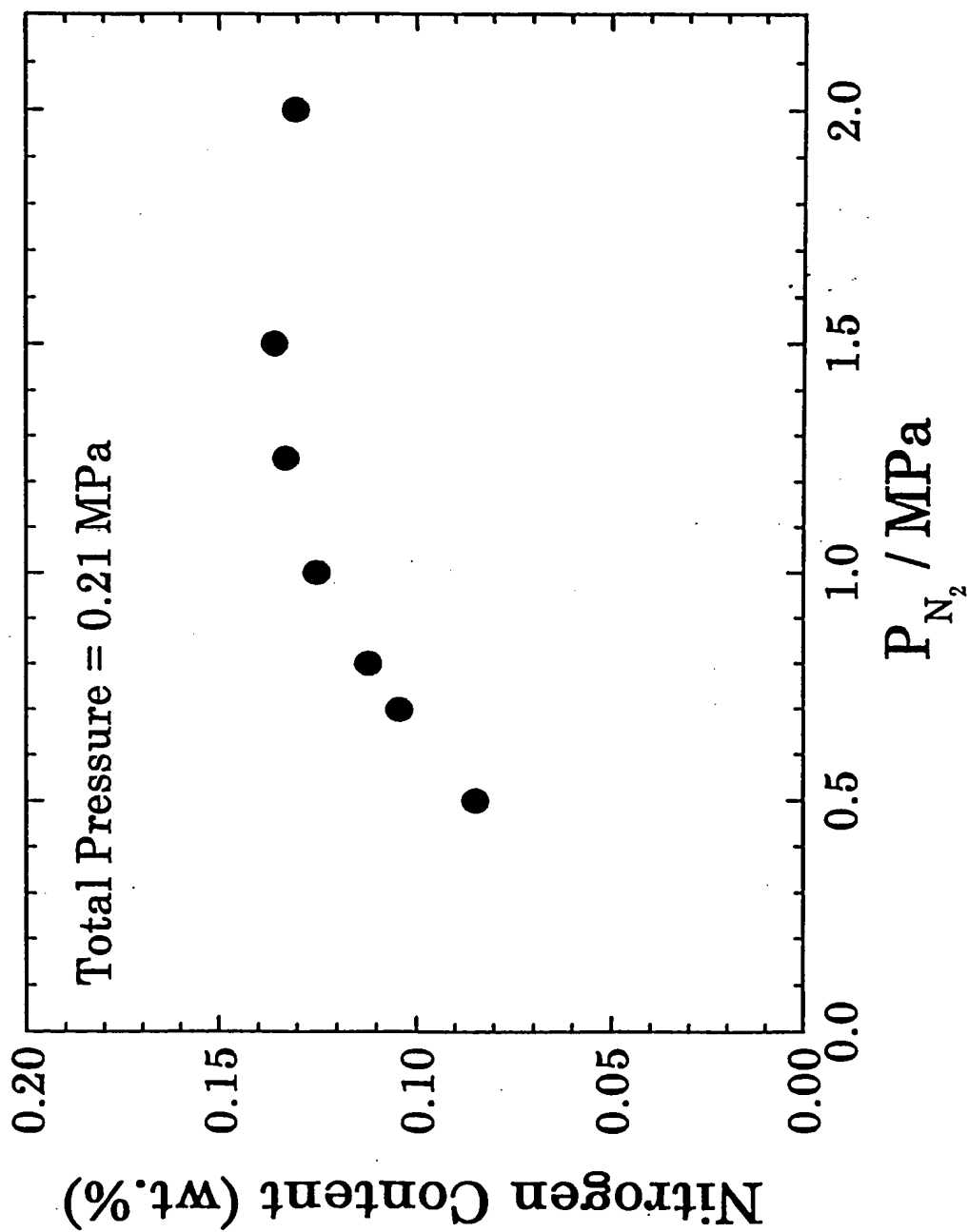


Fig. 8

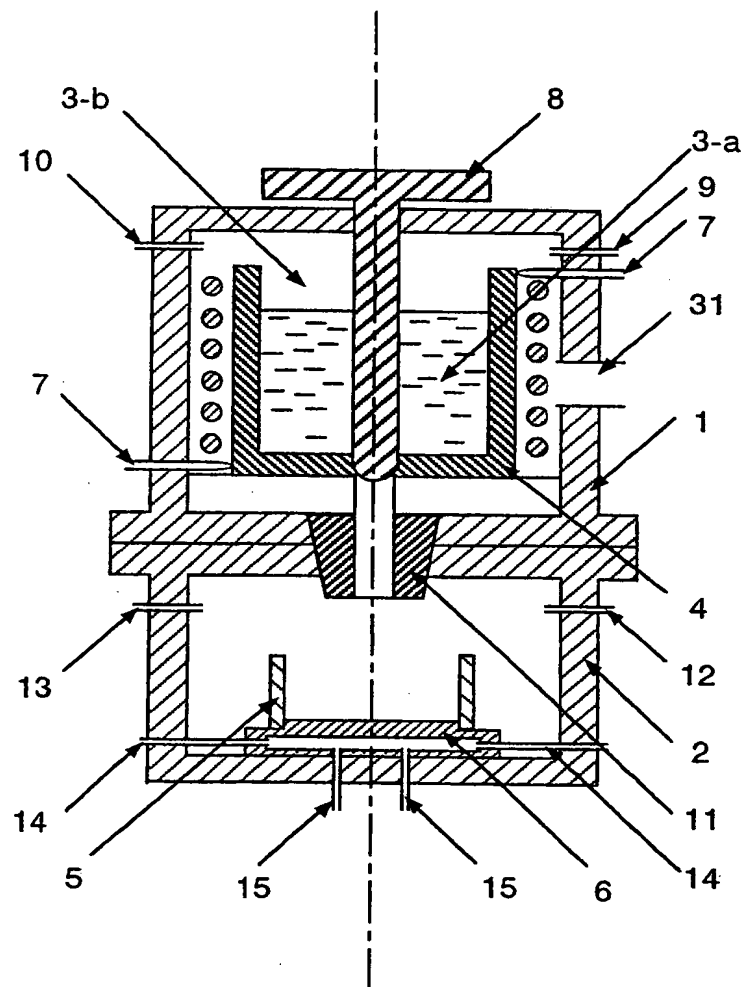




Fig. 9

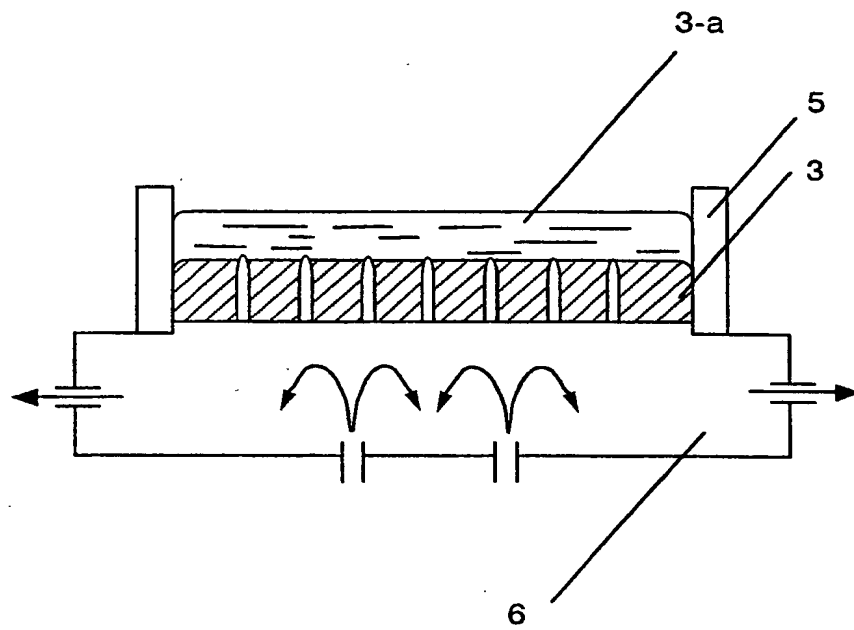


Fig. 10

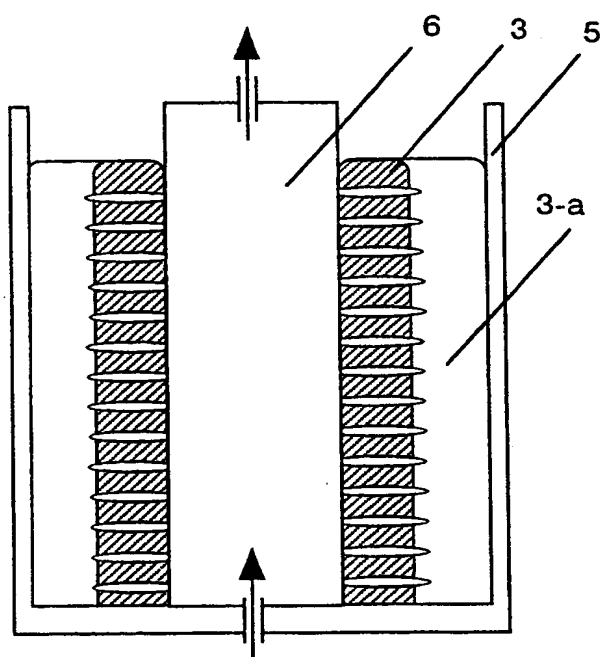


Fig. 11

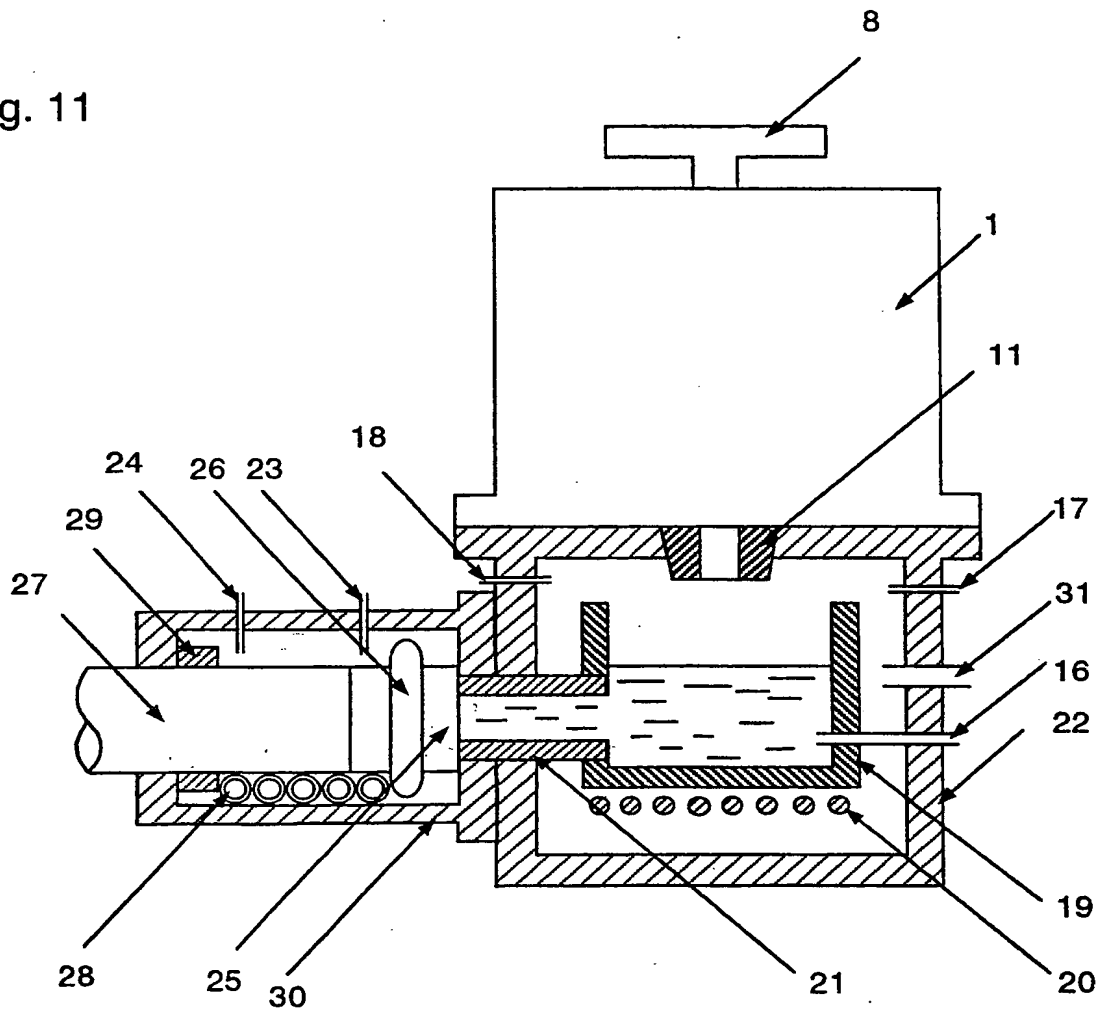


Fig. 12

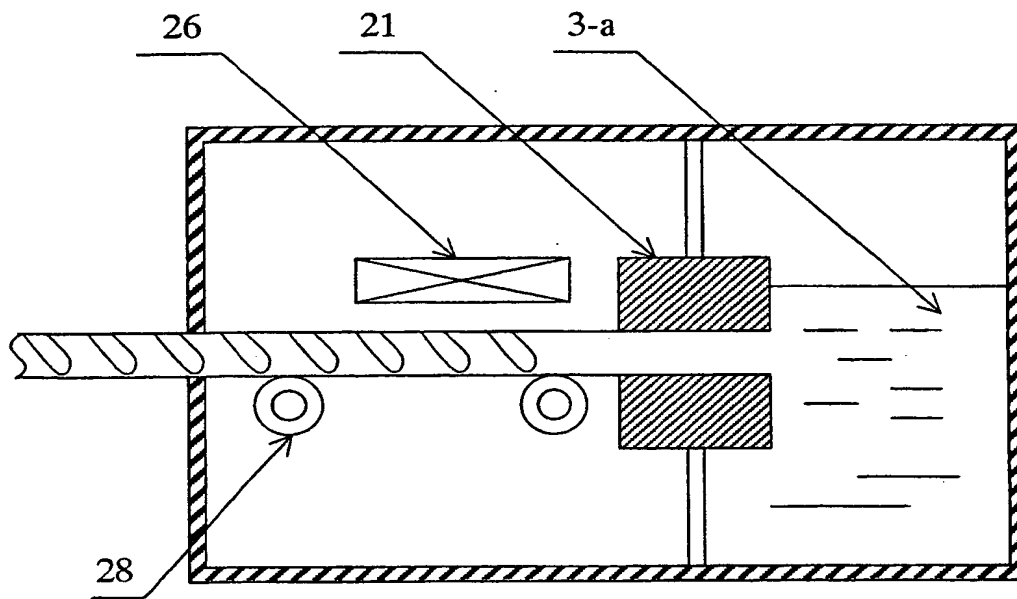
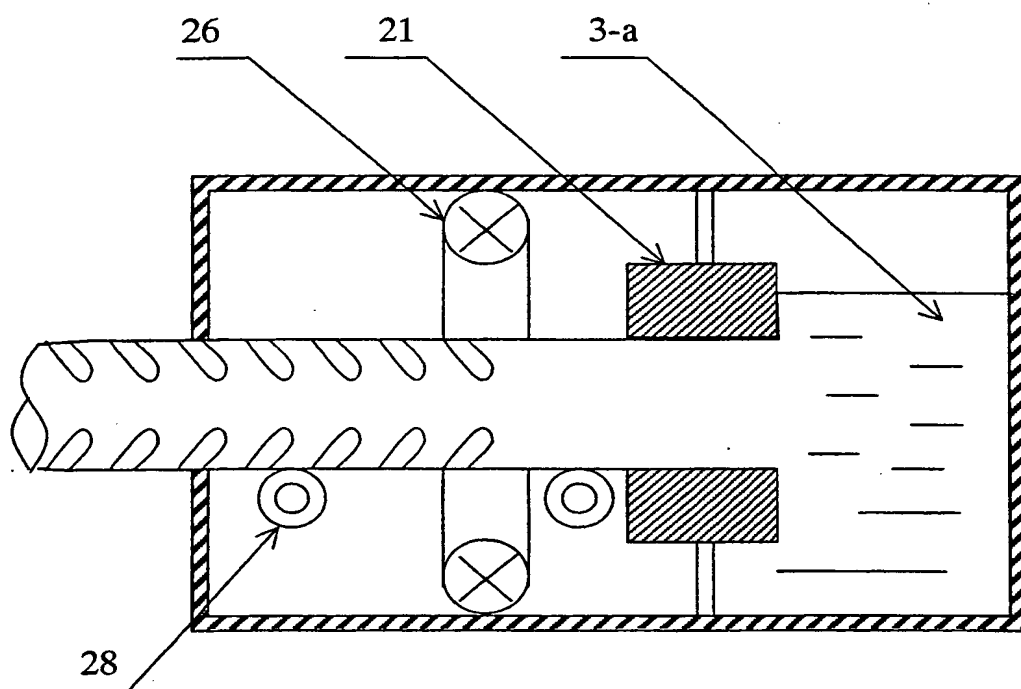
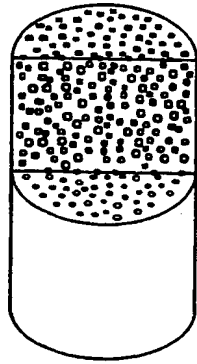


Fig. 13

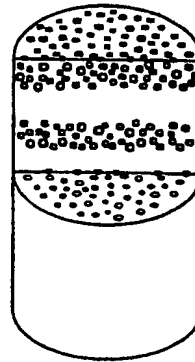


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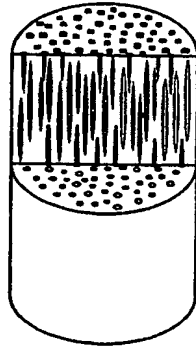
Fig. 14



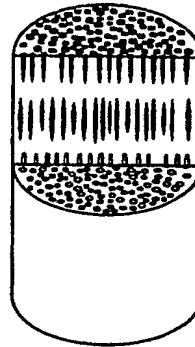
(a)



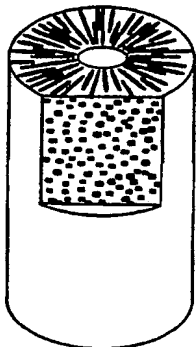
(b)



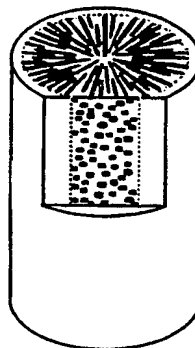
(c)



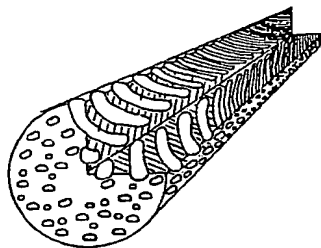
(d)



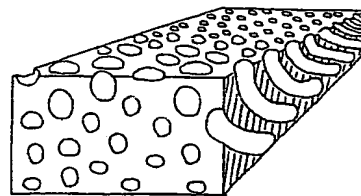
(e)



(f)



(g)



(h)

FIG. 15

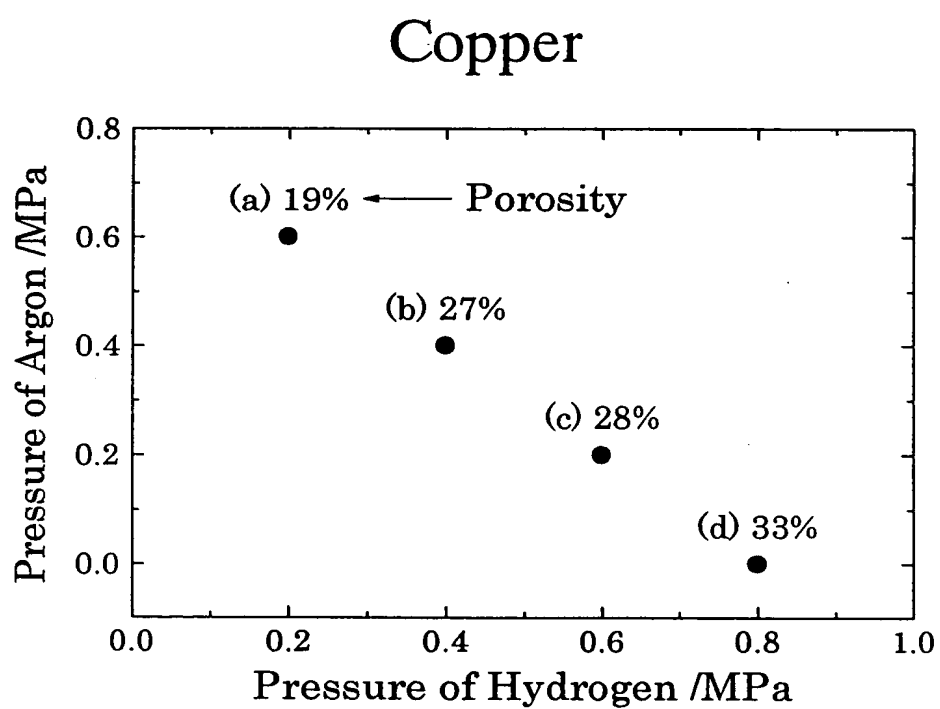
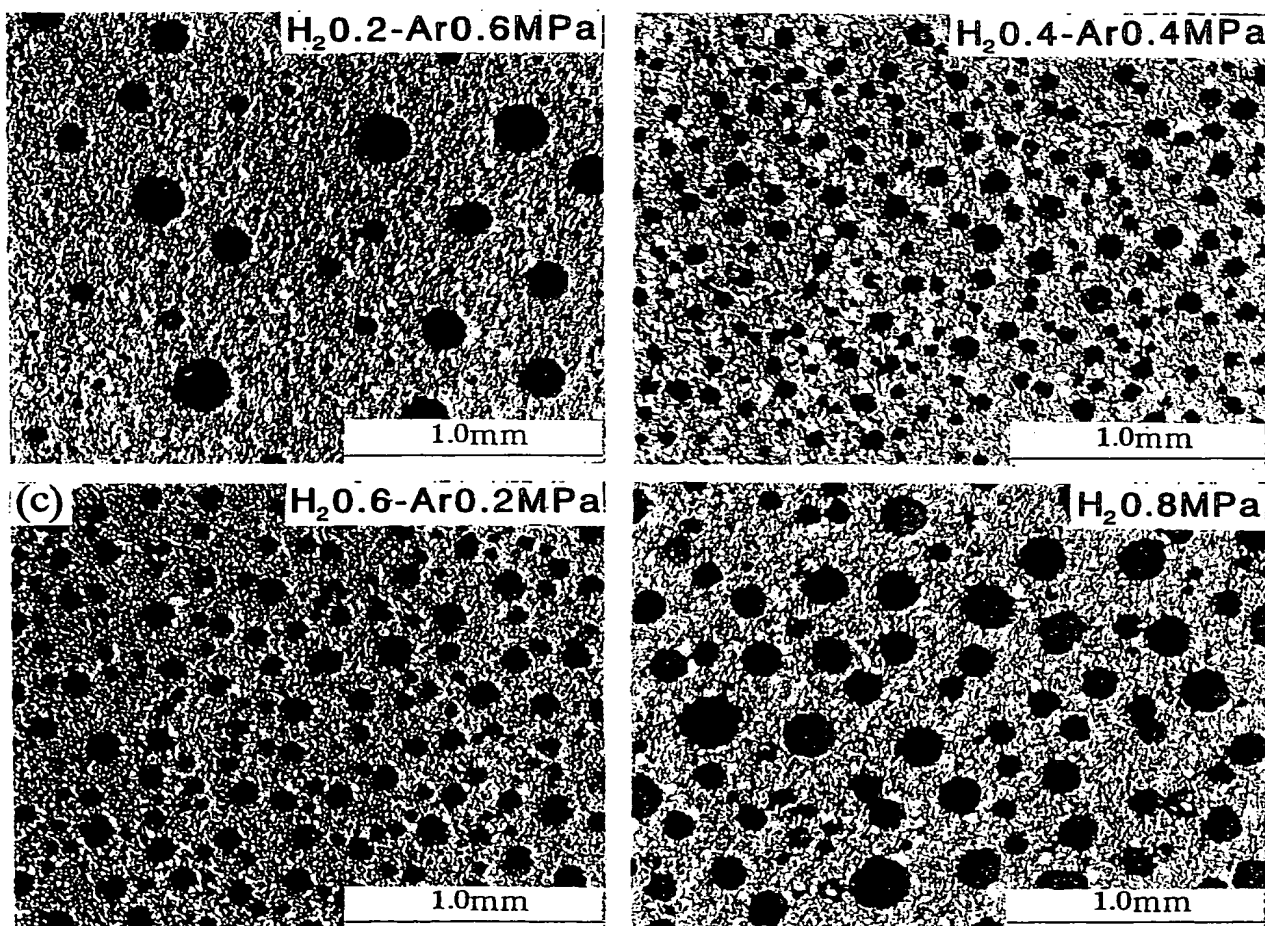


FIG. 16



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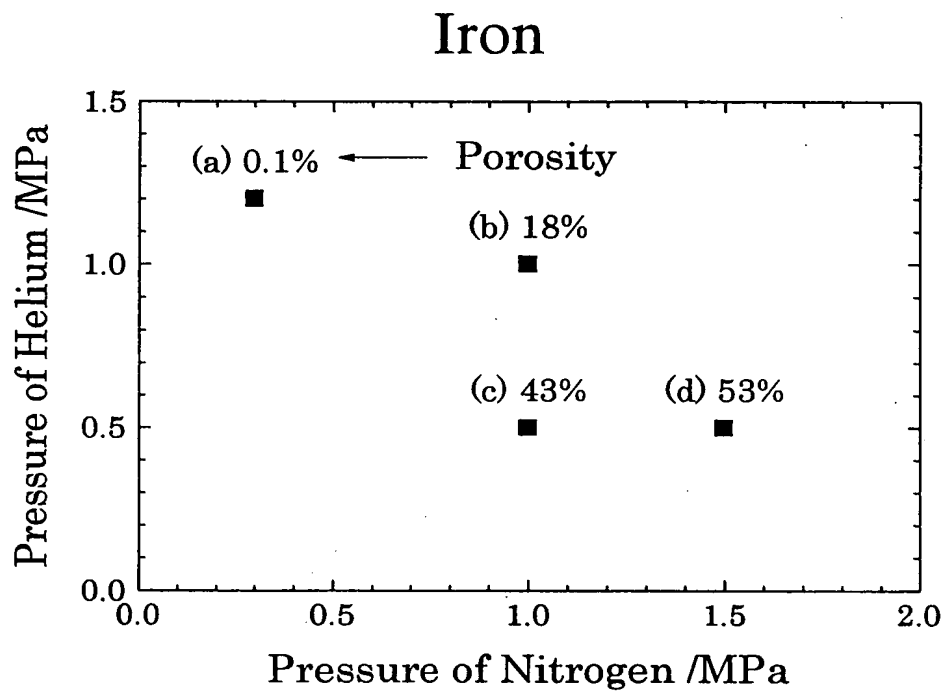
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*FIG. 17*

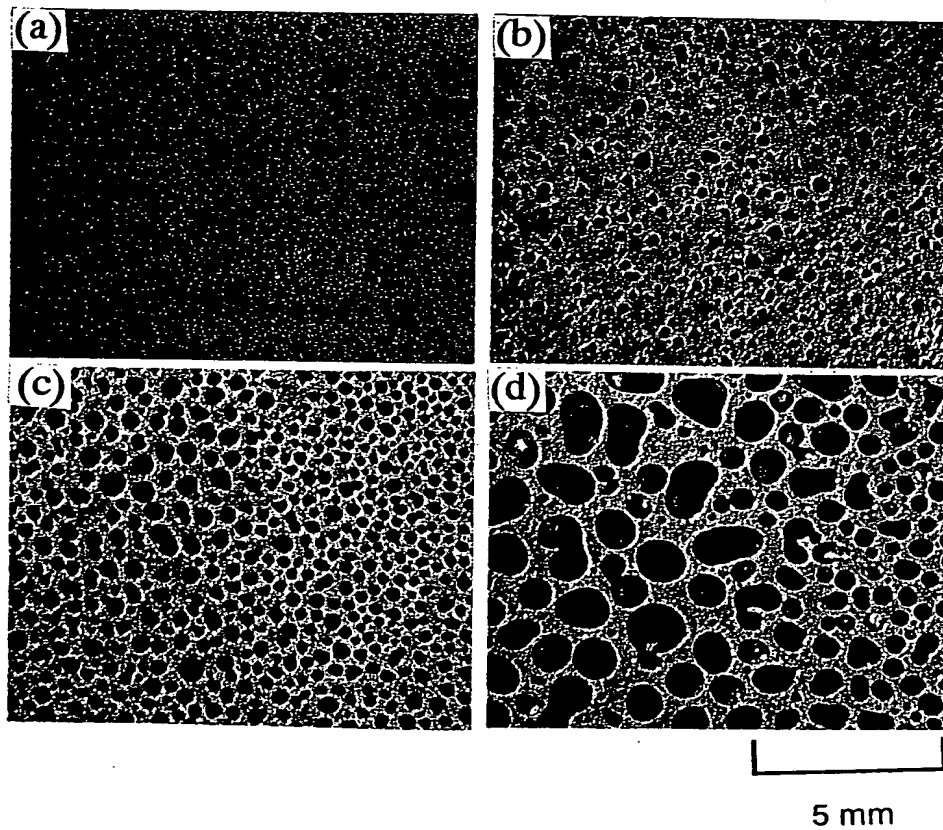


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FIG. 18

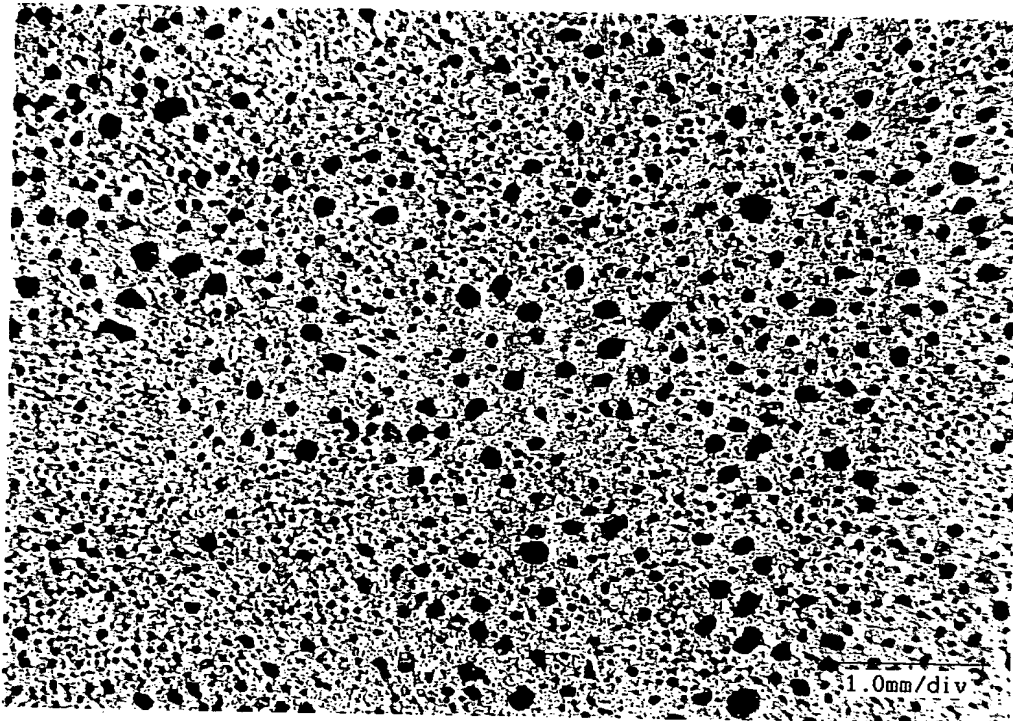


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*FIG. 19*

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*FIG. 20*

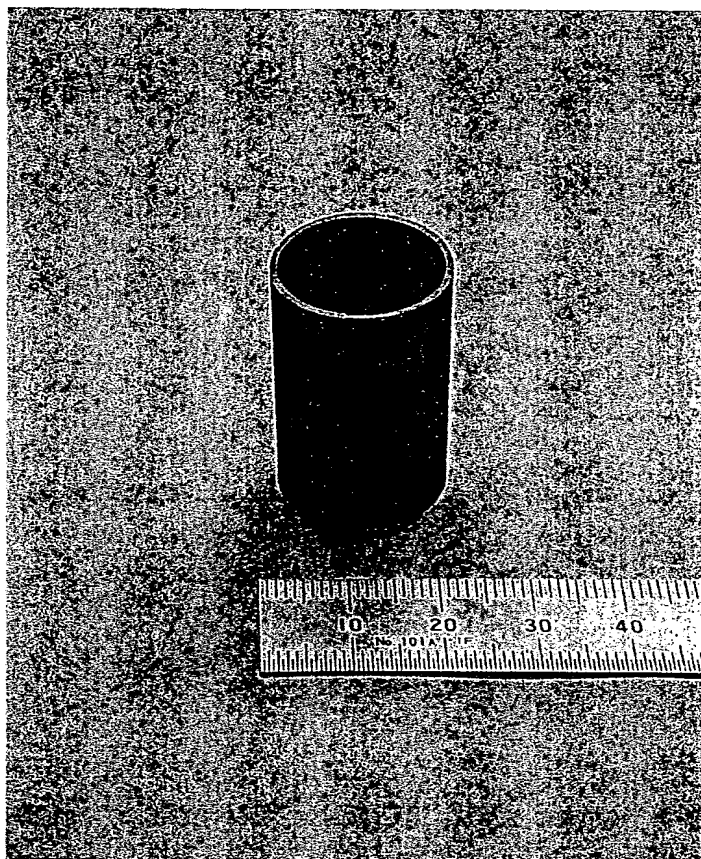


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*FIG. 21*

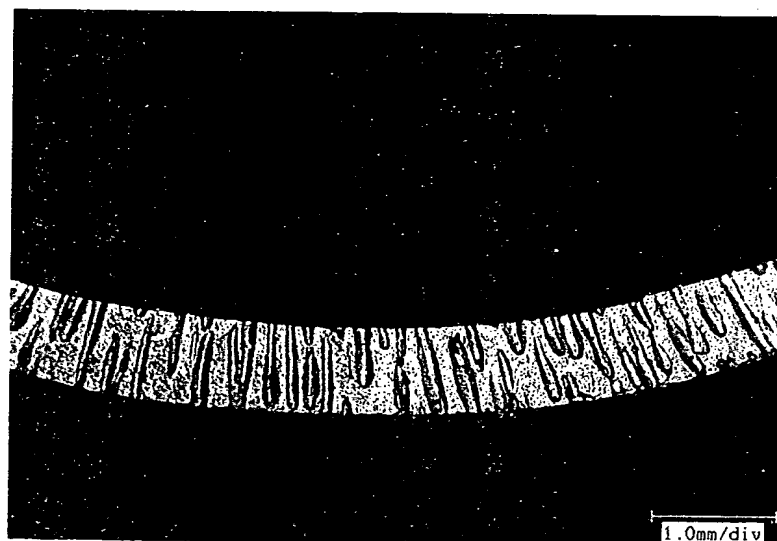


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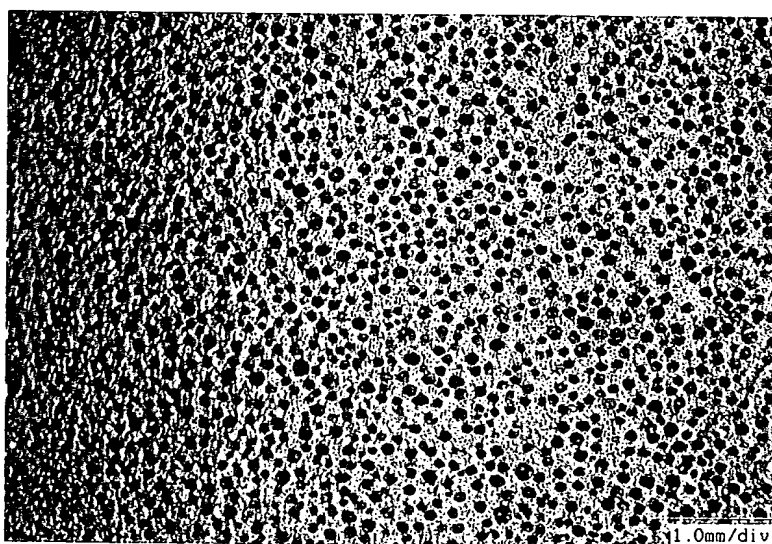
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*FIG. 22*



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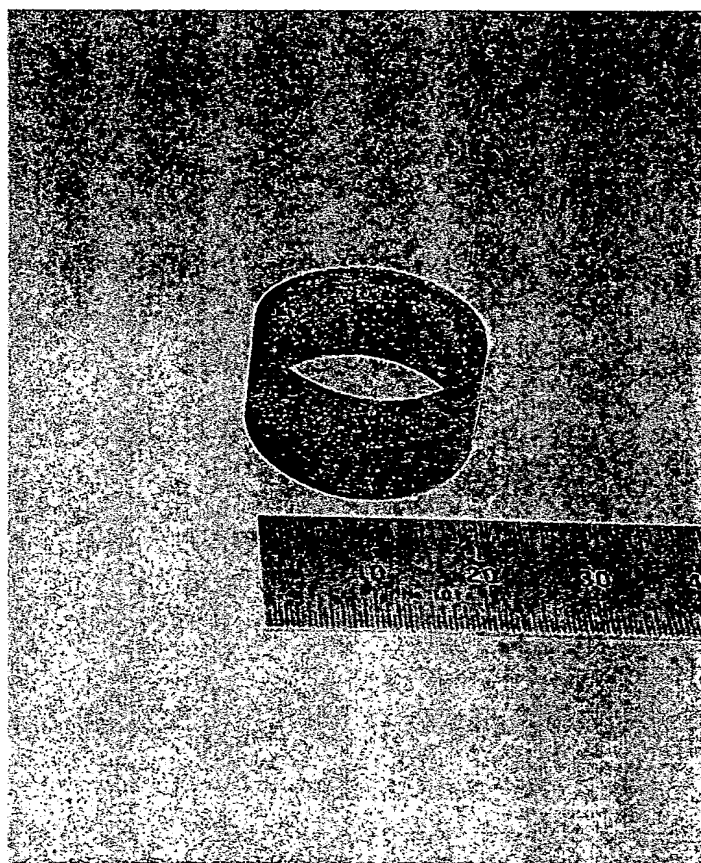
*FIG. 23*



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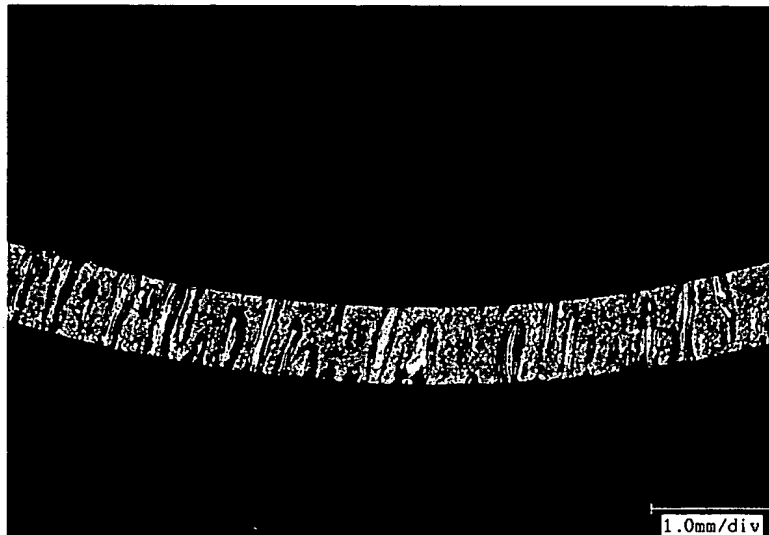
FIG. 24



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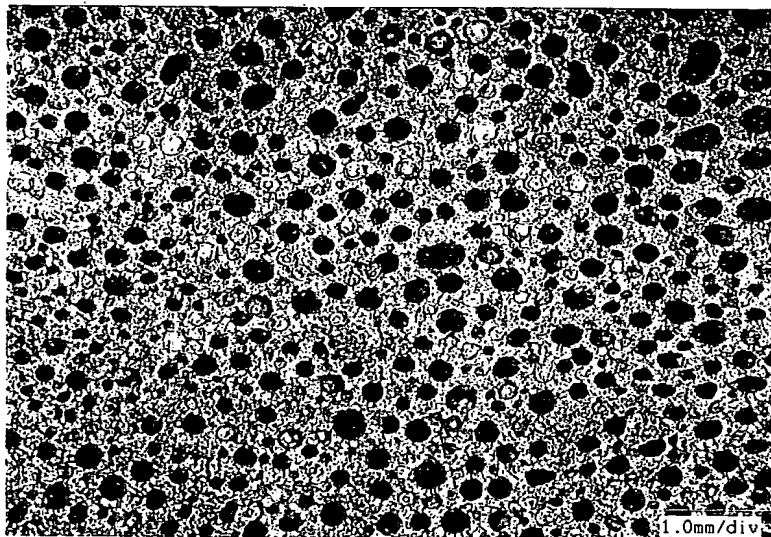


FIG. 25



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*FIG. 26*

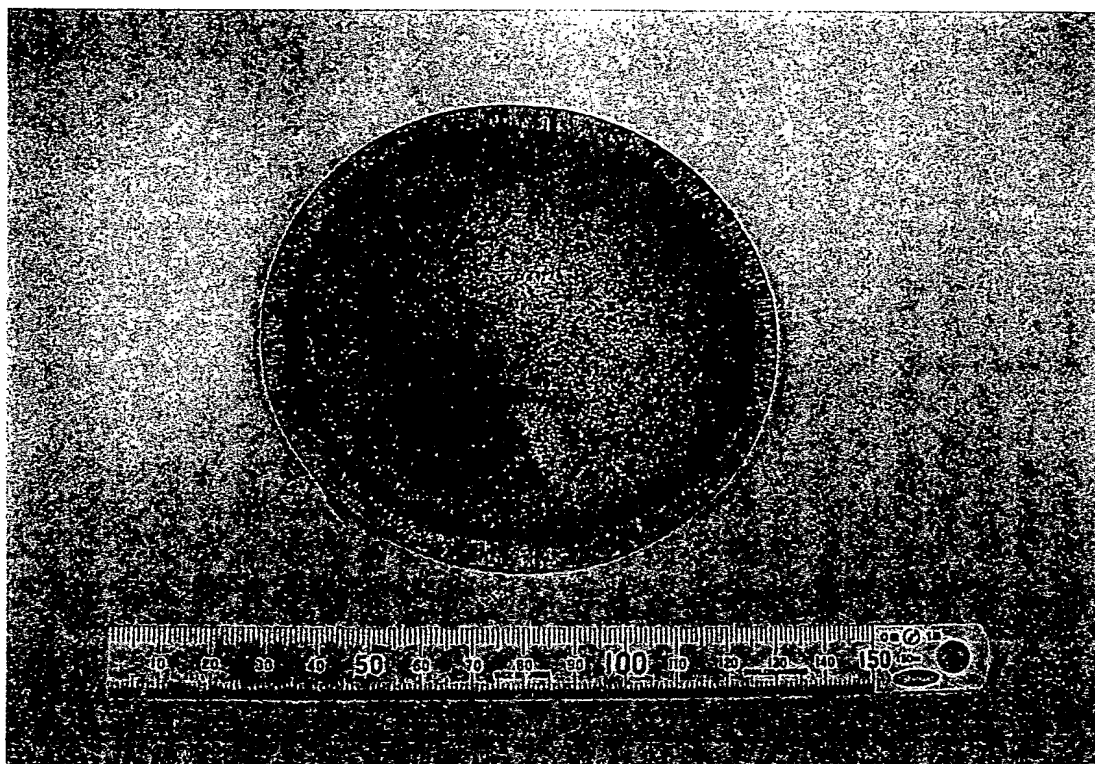


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FIG. 27



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